

Airbag 2024

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# Addresses, Products and Booth Numbers of Exhibiting Companies

Organized by

# Exhibitors

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ZF Lifetec	26 & P05

Booth  
**32**



## ACS Industries

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ACS are the world's largest vertically integrated engineered mesh solutions manufacturer. We produce knitted with mesh, woven wire mesh, expanded metal, stamped and machined components, and we offer many value adding services such as sintering and brazing, diffusion bonding, laser cutting, state of the art part cleaning, and much more.

We are a key global supplier of pyrotechnic airbag inflator filters and emission control systems components to some of the world's largest automotive Original Equipment Manufacturers (OEM's) and Tier 1 suppliers, due to our exhaustive quality control measures and standards. Furthermore, we have become a key global supplier to the green energy industry due to its agreement with our commitment to empowering noble industries and its utilization of some of ACS's core technological competencies.

Our engineers are involved at the outset of each project to see exactly how our products will fit into your production process and we will often make design adjustments to better fit our clients' operations. In this way we find solutions to our customers' most challenging manufacturing projects.

We are a multinational organization that serves customers on every continent. In addition to both our headquarters and industry-leading Research & Development center in Rhode Island, USA, we have production facilities in Monterrey, Mexico; Shanghai, China; Turda, Romania; Indapur, India, as well as regional sales offices located throughout the world.

**[www.ACSIndustries.com](http://www.ACSIndustries.com)**

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**ACS Industries, Inc.**

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## ALT Technologies

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ALT Technologies is a global material converting company with 20+ years' experience as a preferred supplier to the automotive industry. Specialising in laminating, printing and die-cutting, we offer a range of occupant safety products, such as airbag covers (non-woven, HDPE, felt), inflator seals, soft ramps, thermal and dielectric insulation (fibreglass, PP). As well as RFID traceability solutions, like wrap-around labels.

With a global presence and local production facilities, our Product Development teams are strategically positioned, enhancing co-engineering opportunities. As we expand into areas such as the EV sector, we are developing flexible busbars, wire harness replacement and active safety products like camera heaters and seat sensors. Please visit our new sustainability pages to read about how we are committed to making further strides for the future.



<https://alttechnologies.com/>

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Booth

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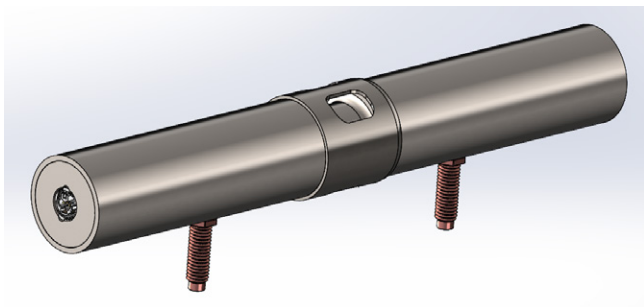
## ARC Automotive, Inc.

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ARC Automotive offers as a global supplier the following advantages:

- Production footprint in all relevant regions
- Redundant production facilities and capacities to offer supply risk mitigation
- Global lean organization to allow high flexibility to respond to customer demands and requirements
- Our products offer OEMs life saving support for optimal occupant protection, proven in numerous prestigious IIHS “best picks” and NCAP “5-star” ratings in various regions around the globe.
- Over 500 million inflators supplied to our customers in the past over 50 years

**ARC Automotive is a reliable supplier to the Automotive Industry since more than 50 years**



**[www.arcautomotive.com](http://www.arcautomotive.com)**

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## Astotec Automotive GmbH

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Astotec Automotive develops and manufactures pyrotechnic safety products for the automotive industry to protect vehicle occupants, pedestrians and first responders in case of an accident. Where actions need to be performed in milliseconds, pyrotechnics are often the only way to deploy enough energy in the available time. Our customers are vehicle manufacturers (OEM) and Tier 1 suppliers all over the world.

### **Products:**

**Micro Gas Generators** are used in Seatbelt and Buckle Pretensioners, eliminate a potential slack of the belt and keep the occupant safely in their seat during a car crash.

**Pedestrian Protection Actuators** deploy the hood when a pedestrian is hit and generate more clearance between the hood and hard components underneath, creates more space for deformation and reducing head injuries.

**Pin Pullers** retract a pin to make a steering column collapsible in case of a front crash to improve driver protection and reduce the energy impact during a collision.

**Pyrotechnic Circuit Breakers** are known as Pyro Fuses in the industry and disconnect the battery within 2 milliseconds to protect occupants and first responders.

**Igniters and pyrotechnics:** all renowned auto manufacturers and their suppliers rely on our pyrotechnic igniters. Our core components are developed and manufactured in-house.

Astotec Automotive has its headquarter in Hirtenberg, Austria, a new production plant in Changzhou City, China, a production plant in Pápa, Hungary, another site in Brankovice, Czech Republic and a sales office in Michigan, US.

**[automotive.astotec.com](https://automotive.astotec.com)**

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Booth

**P03**



**Audi**

## Audi AG

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Audi stands for premium German vehicles and sustainable mobility. Since it was founded by August Horch in 1909, the Ingolstadt-based company's cars have combined sportiness, progressive design and "Vorsprung durch Technik". Audi Sport and Italdesign also belong to Audi. Together, the four brands of Audi, Bentley, Lamborghini and Ducati form the "Progressive Brand Group" within Volkswagen AG.

Fully electric into the future: Alongside a clear strategy, Audi is currently transforming itself into a provider of sustainable electromobility. By 2027, the four rings will offer a fully electric premium vehicle in all core segments. Audi e-trons offer more than just long electric range. They're fully connected, offer innovative digital features and are systematically developed from the passengers' perspective. Climate-neutral production sites and sustainable, equitable supply chains form the foundation of the driving experience of a new automotive era.

Audi stands for more than just "Vorsprung durch Technik". Its success is also based on a corporate culture guided by appreciation, openness, responsibility and integrity. In the Audi team, everyone gets the freedom to work autonomously, to contribute their ideas and to grow together. A number of further education programs and in-house vocational training courses form the foundation for this.

The eventful and multifaceted history of Audi and its predecessor brands of Horch, DKW and Wanderer dates back to the 19th century. Since then, the four rings have constantly reinvented themselves. Milestones such as the Audi 100 and the original Quattro continue to shape the company to this day.

**[www.audi.com](http://www.audi.com)**

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### AUDI AG

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Booth  
**02**

**Autoliv**  
Saving More Lives

Autoliv, Inc.

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Autoliv is a pioneer in occupant protection, passive safety is our heritage and the foundation for our strong position in Real Life Vehicle Safety. Our road to saving lives starts with our relentless innovation in vehicle safety technologies in combination with deep insight of traffic situations, human behavior and human-to-machine interaction. We research, develop and engineer solutions with a mindset to better understand real life accidents and new risks associated with a world of autonomous driving.

For decades our focus has been on how to ensure occupant safety in passenger cars. But the world and the way people move about it are rapidly changing. As half of the 1.2 m fatalities in the road transport system are people outside cars, we need the same focus for all forms of mobility. We therefore address key safety issues across various forms of motion, from two-wheelers to pedestrians, for the multimodal mobility of today and tomorrow.

**[www.Autoliv.com](http://www.Autoliv.com)**

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Booth

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## Continental Automotive Technologies GmbH

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Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2023, Continental generated sales of €41.4 billion and currently employs around 200,000 people in 56 countries and markets.

The Automotive group sector develops technologies and solutions for safe, exciting and autonomous mobility along the business areas: Autonomous Mobility, User Experience, Safety and Motion, as well as Architecture and Networking. In this environment, the research and development function of Software and Central Technologies serves as a central pre-development organization.



[www.continental-automotive.com](http://www.continental-automotive.com)

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**Continental Automotive Technologies GmbH – Passive Safety and Sensorics**

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**DAICEL**

ONE TIME ENERGY  
**daisi**™

## Daicel Corporation DSSE Sp. Zo.o.

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Daicel company's operations have expanded into a variety of fields around our core technologies of cellulosic derivatives, organic chemicals, polymers and pyrotechnic devices.

Daicel Safety Business Unit with core competency of pyrotechnic devices covers wide portfolio of airbag inflators, micro gas generators for seatbelt pretensioners, igniters, hood lifters, pyro fuses which enables safe, instantaneous shutdown of high-voltage electric currents and others. We are focused on developing inflators for markets around the world, and we respond with agility to the rapid changes occurring within the automotive industry. Our footprint encompasses 11 manufacturing facilities in Japan, the U.S., China, Thailand, Korea and Poland.

Daicel aim to utilize of "One Time Energy" by the ignitor in every area of our life's. "One Time Energy" – a one-shot energetic force generated instantly, reliably, and safely which has been proved by billion pieces of our ignitors globally. DAISI potential achievements: provide wearable airbags to save lives from injuries and fallen impact and protect people in unattended facilities (drones, autonomous driving, automated factories). "One Time Energy" ensured instant activation and activation under harsh environments.

[www.daicel.com/safety/en/](http://www.daicel.com/safety/en/)

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## Dow

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Dow (NYSE: DOW) is one of the world's leading materials science companies, serving customers in high-growth markets such as packaging, infrastructure, mobility and consumer applications. Our global breadth, asset integration and scale, focused innovation, leading business positions and commitment to sustainability enable us to achieve profitable growth and help deliver a sustainable future. We operate manufacturing sites in 31 countries and employ approximately 35,900 people. Dow delivered sales of approximately \$45 billion in 2023. References to Dow or the Company mean Dow Inc. and its subsidiaries. Learn more about us and our ambition to be the most innovative, customer-centric, inclusive and sustainable materials science company in the world by visiting [www.dow.com](http://www.dow.com).



**MobilityScience™**

**SiLASTIC™**

silicone elastomers by



[www.dow.com](http://www.dow.com)

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## Electrovac AG

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As a long-standing, globally operating company Electrovac is one of the leading manufacturers of hermetic packages. At our locations in Germany, Austria and Thailand more than 500 dedicated employees develop and produce up to 350 million quality products annually for market segments such as the automotive, aerospace, medical, telecommunications and sensor industries. In addition to the sealing technology, our core competencies include the production of stamped parts, glass-preforms and surface plating as well as the fabrication of pins, turned and milled parts. Electrovac is one of the world's leading suppliers for the price-sensitive automotive industry. Fully automated assembly lines and special testing facilities underscore Electrovac's zero error strategy and guarantee a production volume of several hundred million quality airbag igniters and seatbelt pretensioners.



[www.electrovac.com](http://www.electrovac.com)

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## Elkem

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Elkem is one of the world's leading providers of advanced silicone materials shaping a better and more sustainable future. The global demand for high-performance technical textiles addressing critical requirements of safety equipment in the automotive sector including airbags is escalating. For nearly 30 years, BLUESIL™ Textile Coating Systems have been used to improve the reliability of airbags. With over 300 R&T experts and 13 R&T centers globally, Elkem is continuously working on silicone formulations enabling to combine enhanced productivity, durability and long-term performance such as new silicones suitable to be used for vehicle airbags while delivering health and environmental protection benefits. Our market experts are more than pleased to welcome you on our booth n°19 at Airbag 2024 to showcase our innovative Textile Coating Systems addressing today's mobility challenges.

Silicones for Airbags | [Elkem.com](https://www.elkem.com)

Silicones for airbag applications from Elkem deliver superior, durable compatibility with nylon and polyester textile substrates.

**[www.elkem.com/markets/mobility-and-transportation/tires-safety-systems/airbags/](https://www.elkem.com/markets/mobility-and-transportation/tires-safety-systems/airbags/)**



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## Euscher GmbH & Co. KG

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**Deep drawing technology** | Euscher has been combining traditional deep drawing with state-of-the-art concepts for 100 years. Our exceptional solutions always give us and our customers an innovative edge. Therefore we work successfully with our partners on a long-term basis. Our joint growth is based on the values of commitment, trust and innovation. In our business models and processes, we think and act in a socially, ecologically and economically sustainable manner and meet applicable climate targets and requirements. We have locations in Germany, the Czech Republic, the USA and China.

**Sector solutions for the automotive industry** | Precision deep-drawn metal parts play a crucial role in the automotive industry. The highly specialised components offer a number of advantages that make them indispensable for use in vehicles of all types and drive systems. At Euscher GmbH & Co. KG, we have been dedicated to the production of customised, high-quality components for the automotive industry (e.g. sensor sleeves for exhaust sensors/lambda probes, shock absorbers, temperature sensors, lubrication, oil pressure valves, camshaft adjustment, brakes, steering, gearboxes, water pumps, shields, connectors and high-voltage connections) since the 1970s. Based on our many years of experience, our thermoforming experts are able to create highly complex geometries and quickly go into mass production. Precision deep-drawn parts offer numerous advantages for the automotive industry, from weight reduction and cost savings to improved performance characteristics. Their versatility, precision and durability make them a key component in modern vehicle manufacturing, helping to continually push the boundaries of innovation and design.

**[www.euscher.com](http://www.euscher.com)**

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## Fraunhofer ICT

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Fraunhofer ICT has profound know-how and expertise in the area of integral car safety systems. Within our four core expertises (Explosives and Safety, Chemical Processes, Polymer Engineering, Drive and Energy Systems) we provide our customers and partners a wide range of applied R&D solutions.



In the area of gas-generators and airbag systems our core competences are:

- Energetic material formulation and manufacturing
- Characterization of energetic materials, physicochemical and combustion characteristics
- Modelling and simulation of gas-generator combustion
- Design, prototyping and experimental validation

In the area of future mobility and interior concepts we provide:

- Sustainable materials for interior of the future and last mile mobility solutions
- Materials to suppress fire, smoke, and toxicity in plastic and composite applications
- Technologies for recycling and circular economies
- Next-Gen battery-cell technologies as well as advanced safety testing and validation

**[www.ict.fraunhofer.de](http://www.ict.fraunhofer.de)**

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### Fraunhofer Institute for Chemical Technology ICT

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The Fraunhofer Gesellschaft will be represented by two Fraunhofer Institutes: Fraunhofer Institute for High-Speed Dynamics, Ernst-Mach-Institut, EMI and Fraunhofer Institute for Chemical Technology, ICT.

## Fraunhofer EMI

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In the business unit Automotive Fraunhofer EMI provides extensive competencies in the fields of modeling and simulation, testing diagnostics, integral vehicle safety and new mobility concepts.

In the area of restraint and airbag systems our core competences are:

- Mechanical characterization of materials, fabrics, seatbelts and interior components
- Vent hole testing and permeability measurements of airbag fabrics
- Calibration and validation of material models in commercial finite-element codes
- Development and implementation of novel material-, damage- and failure models
- Crash tests and simulation from component levels up to complete vehicles
- High speed optical and X-ray diagnostics for airbag deployment analysis

In the area of new interior and mobility concepts we provide:

- Fully equipped test lab for charged batteries with up to 50 kWh
- In-situ X-ray analysis of thermal runaway and thermal propagation of battery cells
- Injury risk assessment of occupants and VRU using virtual human body and dummy models
- Sled tests for oop or novel seating positions



[www.emi.fraunhofer.de](http://www.emi.fraunhofer.de)

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Booth

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GESELLSCHAFT FÜR  
NUMERISCHE SIMULATION



## Gesellschaft für numerische Simulation gns mbH

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gns mbH was founded in Germany in late 1994 by a group of engineering analysis experts.

Today, gns mbH provides services such as mesh generation for complex shell and solid structures, analysis using state-of-the-art finite element and boundary element codes, and development of customized software tools such as user interfaces, graphical post-processors, etc.

gns mbH develops and supports advanced commercial software products such as ANIMATOR4, GENERATOR4 and OPENFORM, tailored to meet the needs of its most demanding customers and the most challenging engineering problems in industry.

One area of application, among many others, for ANIMATOR4 and GENERATOR4 is the field of vehicle safety. In this area, GENERATOR4 is used in the folding of airbags and ANIMATOR4 in the post-processing of the corresponding simulations.

Recently, gns mbH started to develop FEA models of honeycomb crash barriers used in the automotive industry.

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### **gns mbH**

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## Gesellschaft für Umweltsimulation e.V.

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The Gesellschaft für Umweltsimulation e. V. (Society for Environmental Engineering) was founded in 1969. It is the organization of persons, institutions and companies working in environmental engineering in the following branches:

- electric technology and electronics
- automotive
- construction and cultural heritage
- defence and security
- aviation and space
- transportation and packaging
- material research
- renewable energy systems
- environmental compatibility and life cycle analyses

GUS supports the development of environmental engineering on a non-profit basis, e.g., by information exchanges. It arranges contacts with environmental laboratories, between users and manufacturers of equipment for environmental simulation and the measuring technology connected therewith. Members of GUS hold seminars and participate in professional committees. Members and their representatives work on an honorary basis. GUS is financed by contributions and donations.

GUS is a founder member of the Confederation of European Environmental Engineering Societies CEEES and a member of the European Federation of Clean Air and Environmental Protection associations, EFCA.

**[www.gus-ev.de](http://www.gus-ev.de)**

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**Gesellschaft für Umweltsimulation GUS e.V.**

c/o Fraunhofer ICT

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## GFU Maschinenbau GmbH

Since establishing GFU Maschinenbau GmbH, the owner-managed company evolved into a recognized company for tube forming machines around the world. Development and production of upsetting-, necking-, expanding- and calibration presses, flow forming machines and forging hammers are the heart of today's portfolio. GFU developed and patented the high-speed end-forming technology which is mainly used for automotive components. Coming from GFU machines you find high pressure airbag vessels and shock absorbers in millions of cars. The different production solutions by GFU are being combined with each other more and more to reach the very best single-piece solution for you! Our engineers work closely together with your R&D department to achieve the best results in tube forming and to deliver turnkey production lines.

GFU's key competencies are:

- High-speed end-forming machines
- Forging hammers
- Upsetting presses
- Necking-, expanding- and calibration presses



*Forming line for airbag applications*

**[www.gfu-forming.de](http://www.gfu-forming.de)**

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Booth  
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## IAT Ingenieurgesellschaft für Automobiltechnik mbH

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IAT have been in the engineering industry for more than 30 years. From Berlin to Ho Chi Mihn City, we can support you with over 100 highly trained employees for your development projects.

With commitment, expertise and perfect preparation for each project, we strive and pride ourselves for fair cooperation every day. Our portfolio of customers includes OEMs, system suppliers and institutes.

Following our roots in crash testing, we now offer calculation services and software solutions around the topics of vehicle safety, which are being used worldwide.

We are proud of the large number of satisfied customers and the unprecedented continuity of our employees – a confirmation of our slightly different corporate philosophy, which enables us to maintain the fun and excitement in this line of work.

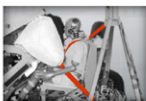
### AUTOMOTIVE SAFETY SERVICES



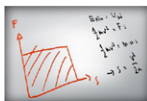
SIMULATION / CAE



SOFTWARE



TEST & DESIGN



METHODS & PROCESSES

**[www.iatmbh.com](http://www.iatmbh.com)**

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Booth  
**33**

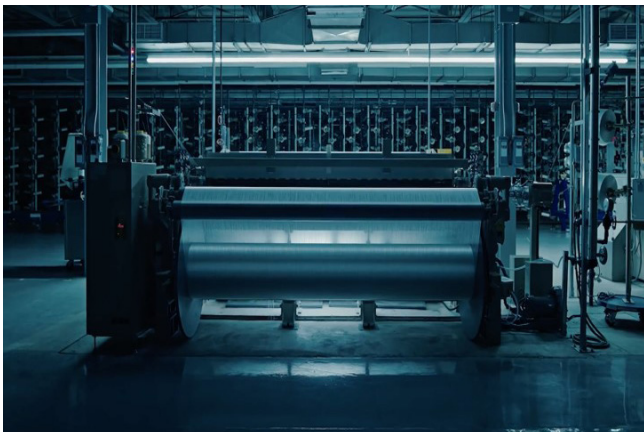


## Invista

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INVISTA is a global manufacturer of chemical intermediates, polymers, and fibers that supplies ingredients in the nylon 6,6 and polypropylene value chains to bring essential products, such as those in the automotive, medical, food packaging and clothing industries, to life. A subsidiary of Koch Industries since 2004, INVISTA is committed to innovation and creating value responsibly, using fewer resources.

Our Specialty Industrial Materials (SIM) business enhances the fiber industry with a portfolio of proven products and technologies. As the world's largest airbag fiber supplier by volume, our products are trusted for their reliability. Through ongoing innovation and partnerships, we continuously expand our offerings, enabling new design opportunities across various sectors, including medical, automotive, and aviation.



<https://airbag.invista.com/>

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**INVISTA Textiles UK Ltd**

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**MORE LIGHT**

# JENOPTIK Automatisierungstechnik GmbH

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As a technology group with a clear focus on photonic technologies, Jenoptik utilizes the potential of light and works towards a better future.

Jenoptik is shaping the future with its photonic solutions to meet challenges in semiconductor manufacturing, biophotonics, industry and automotive.

Jenoptik's Business Unit Laser Processing is a global specialist in the field of 3D sensor-controlled laser processing. With many years of experience in laser-based material processing and robot-based automation, Jenoptik supplies customized solutions for efficient production processes in the automotive and other manufacturing industries. These are used to process plastics, leather and textiles with maximum efficiency, precision and safety.

We are an established key supplier in the global automotive market. Every day we face the modern challenges regarding flexibility, productivity and increasing variety and thus cover the growing demand for complex industrial solutions with a focus on machine integration and process automation.

As a development and optimization partner, we face market-specific challenges together with our customers and raise customer-specific systems to a new, future-oriented level by intelligently combining our key technologies.

**[www.jenoptik.com/products/lasers/laser-perforation](http://www.jenoptik.com/products/lasers/laser-perforation)**

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Booth

06



## Jinzhou Jinheng Automotive Safety System Co., Ltd.

Jinzhou Jinheng Automotive Safety System Co.,Ltd. Is affiliated to Wonder Group. since its establishment in 1997, Jinheng has been dedicated to the technical innovation and development of automotive passive safety system. The products include airbags, steering wheels, seat belts, ACU, inflators and etc.. Within nearly 30 years of development, there are 7 enterprises in Jinheng Group incl. R&D centers and plants located around the country. Jinheng has advanced laboratory and production lines to support the R&D tests and production supply to OEMs, the laboratories have passed the national CNAS certification and has been recognized by Volkswagen and Audi. Jinheng will continue to devote itself to the R&D on the passive safety systems, and to provide the more competitive solutions for passengers and accidents.



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Booth  
**03**

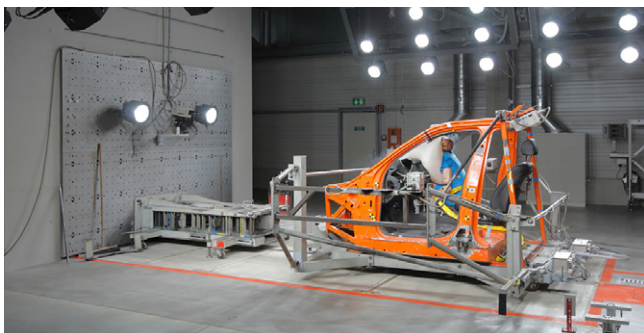


## Joyson Safety Systems

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Joyson Safety Systems is a global leader in mobility safety providing safety-critical components, systems and technology to automotive and non-automotive markets. For over a century, Joyson Safety Systems has been pioneering mobility safety bringing lifesaving technology to customers worldwide. As a global leader it designs, manufactures and sells today's and tomorrow's safety products, such as airbags, seatbelts, steering wheels and safety electronics.

The Joyson Safety Systems Group is a subsidiary of Ningbo Joyson Electronic Corp. (SHA: 600699, "Joyson Electronics"). Joyson Safety Systems is headquartered in Auburn Hills, Michigan, USA, with a global network of more than 43,800 employees in 25 countries generating annual sales of about \$5.3 billion. The regional headquarters are located in Aschaffenburg for EMEA, in Tokyo for Japan, India & Indonesia and in Shanghai for China and the Rest of Asia. Joyson Safety Systems looks to provide local expertise and personal service and support for our customers across our network through our global and regional headquarters.



[www.joysonssafety.com](http://www.joysonssafety.com)

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**JOYSON SAFETY SYSTEMS**

Dr. Andreas Bartelt

Phone +49 6021 651451

Booth

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**KAMO®**

KARLSRUHE MOBILITY

HIGH PERFORMANCE CENTER / PROFILREGION

## Karlsruhe Mobility High Performance Center

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KAMO: Karlsruhe Mobility High Performance Center unites the Karlsruhe institutions for research, education, and technology transfer within the field of mobility: the four Fraunhofer Institutes ICT, IOSB, ISI and IWM, the Karlsruhe Institute of Technology (KIT), the Hochschule Karlsruhe – University of Applied Science (HKA) and the FZI Research Center for Information Technology.

Our interdisciplinary research aims to bring innovations quickly into application, in close cooperation with industry and public stakeholders, and the mobility and research ecosystem in and around Karlsruhe.

Across our key areas Vehicles & Environment, Mobility & Society, and Digitalization, we support innovative startups over small and medium enterprises to established large mobility companies within contract research and public funded projects.



[www.kamo.one](http://www.kamo.one)

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### Karlsruhe Mobility High Performance Center KAMO

Dr.-Ing. Miriam Ruf

Head of KAMO Central Office

Fraunhofer ICT

Phone +49 721 4640-117

[miriam.ruf@ict.fraunhofer.de](mailto:miriam.ruf@ict.fraunhofer.de)

## Kayaku Safety Systems Europe

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Kayaku Safety Systems Europe a.s. (KSE), a member of the Nippon Kayaku Group, was established in the Czech Republic in the 1990s and has grown to supply pyrotechnics products for safety applications globally. It is one of the most top global producers of pyrotechnic products for passive safety systems in cars.

KSE produces pyrotechnic igniters and gas generators used in air-bags, seatbelt pretensioners, hood-lifting mechanisms for pedestrian protection, and active seat headrests, among other products.

KSE actuators are primarily used in automatic extinguishing systems in industry, in automobile racing, in ATMs to protect banknotes, and in numerous safety devices.

All products are developed from the very beginning with an emphasis on ecologically friendly production and to minimize any impact on the environment during their use.



[www.kse-cz.com](http://www.kse-cz.com)

---

**Kayaku Safety Systems Europe a.s.**

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755 01 Vsetín  
Czech Republic

Phone +420 571 425 001  
[kse@kse-cz.com](mailto:kse@kse-cz.com)

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## MARK Metallwarenfabrik

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MARK Metallwarenfabrik is a family-owned business in the 4<sup>th</sup> generation located in Spital am Pyhrn, Austria. We manufacture deep-drawn metal parts in large quantities. As we mainly supply the automotive industry, we are familiar with the highest quality and logistic requirements. MARK is producing parts for brake- and airbag-systems like caps for igniters, housings for propellants, pistons for pedestrian safety.

### Highlights of MARK Metallwarenfabrik:

- Locations in Austria, Slovenia and China
- In-house development, design and tooling
- Production on transfer and progressive presses
- Follow-up processes such as cleaning, vibratory grinding, 100% testing in-house
- Heat treatments or coatings are carried out with long-term partners
- Assembly of sub-assemblies

### Typical part dimensions:

- wall thickness from 0,1 up to 2,5 mm
- diameter from 2 up to 80 mm
- maximum length of 150 mm



[www.mark.at](http://www.mark.at)

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### MARK Metallwarenfabrik GmbH

Gleinkerau 23  
4582 Spital am Pyhrn  
Austria

Phone +43 7563 8002 0  
[sales@mark.at](mailto:sales@mark.at)

Booth

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# Mercedes-Benz

## Mercedes-Benz AG

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We are one of the world's most successful automotive companies. With its Cars and Vans, the Mercedes-Benz AG is one of the biggest producers of premium cars and the world's most valuable premium automotive brand.

The safety of Mercedes-Benz Cars is the result of our intensive work – in the lab as well as on the street. Mercedes-Benz AG applies very high safety standards to all its models. In the development process, findings from internal accident research are incorporated into the development specifications.

In October 2023 Mercedes-Benz demonstrated their high safety standards by performing the first ever public Car-to-Car-Crash with two fully electric vehicles. Despite the high collision speed of 56km/h per vehicle with an overlap of 50%, the passenger cells and the batteries of both the EQS SUV and the EQA remained intact.



[www.mercedes-benz.com](http://www.mercedes-benz.com)

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### Mercedes-Benz AG – Mercedes-Benz Technology Center

Passive Safety (RD/KSR)

HPC: W059; L342

71063 Sindelfingen, Germany

Michael Fehring

[michael.fehring@mercedes-benz.com](mailto:michael.fehring@mercedes-benz.com)

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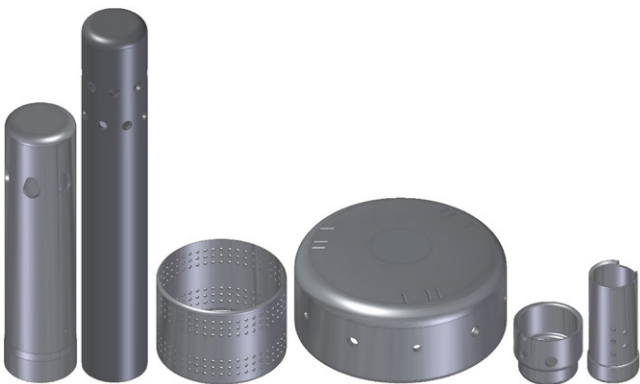


## Metal Flow Corporation

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Metal Flow Corporation is a privately held family-owned business based in Holland, Michigan USA. Metal Flow is a global leader in deep draw and progressive die metal stamping.

Air bag components, specifically inflator components, are a key product segment for Metal Flow. Metal Flow manufactures structurally critical parts that directly interact with compressed gas and or pyrotechnic material within the inflator assembly. Metal Flow products are found within various types of inflators, such as side, curtain, driver, passenger, pyrotechnic, compressed gas, and hybrid. Metal Flow has the internal infrastructure for tool and process design, tooling build, tool assembly, and inspection automation systems required by the safety critical space. Metal Flow can also perform both static and dynamic hydroburst tests for in-process part conformance, aligned with the needs of the market.



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### **Metalflow**

11694 James St. Holland, MI 49424  
[mmueller@metalflow.com](mailto:mmueller@metalflow.com)

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## newgentechs

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Newgentechs is a private technology-based SME based in Valladolid (Spain). It was founded in 2015 by a team of engineers with an average experience of 20 years in R&D&I activities in the fields of passive safety, road infrastructure, material characterization, structural experimentation and numerical simulation.

Our added value is the combination of an extensive experience in experimental methods and computer simulation to provide new technological solutions to our customer's needs. Apart of performing high quality state of the art tests in our own laboratory and managing complex characterization projects thanks to a wide network of collaborators, we have the capability to create new methods for experimental characterization, analysis and validation, to be applied to materials, joints and components. We improve the predictions of the structural simulation tools, both static and dynamic, by providing with high quality material cards.

Our clients include from large multinationals to SMEs, in the sectors of raw materials, transportation and energy. Our philosophy is to become a part of the work team of our clients, promoting a close collaboration and exchange of ideas. This proactive approach, together with our high technical capacity, make us the ideal partner for your projects and developments.

**[www.newgentechs.com](http://www.newgentechs.com)**

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**newgentechs**

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47011 Valladolid  
Spain

Phone 34 983 074 151  
[info@newgentechs.es](mailto:info@newgentechs.es)

Booth

08



**BOSCH**

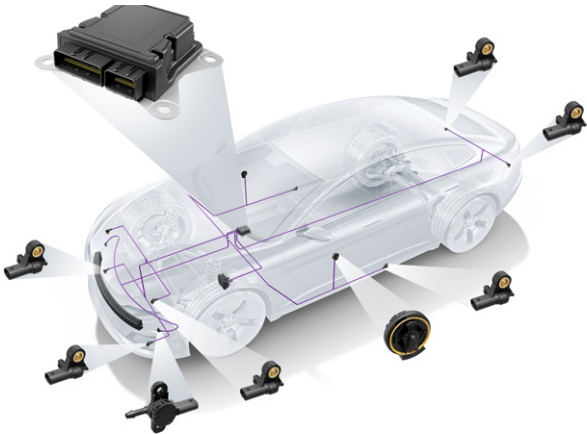
## Robert Bosch GmbH

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The Bosch Group is a leading global supplier of technology and services. It employs roughly 429,000 associates worldwide. The company generated sales revenue of 91.6 billion euros in 2023. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology.

The Vehicle Motion division offers customers a combination of steering, braking, and occupant safety systems, as well as the respective sensors. The future aim is for integrated solutions to interact with the relevant actuators in the vehicle (steering, brakes, powertrain, and chassis).

The Bosch Airbag Control Unit helps move closer to Vision zero: no fatalities or serious injuries in road traffic. From the time of its launch in 1980, the unit has saved around 100,000 lives worldwide.



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**Robert Bosch GmbH – Vehicle Motion**

Postfach 1355  
74003 Heilbronn, Germany

[Info@bosch.com](mailto:Info@bosch.com)

Booth

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SCHOTT  
glass made of ideas

## SCHOTT AG

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### **Pioneering the impossible since 1884.**

When others say no, we say yes. Because at SCHOTT we believe that shared responsibility can release the energy to achieve the impossible. As a global material technology group, we are constantly exploring unique and innovative ways to make a difference for businesses and people. Being a foundation company, SCHOTT has anchored a responsibility for scientific research, society and the environment deeply in its DNA. Represented in over 30 countries by 17,100 employees, we are a highly skilled partner for many high-tech industries: Healthcare, Home Appliances & Living, Consumer Electronics, Semiconductors, Optics, Astronomy, Energy, and Aerospace. Whatever challenges the future might hold, we can't wait to come up with innovative solutions and turn visions into reality.



[www.schott.com](http://www.schott.com)

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P04

# SONY

## Sony Depthsensing Solutions

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Sony Depthsensing Solutions is a Brussels-based technology company that develops cutting-edge 2D and 3D vision and depthsensing technologies for automotive systems, AR/VR, industrial and mobile devices.

To ensure the best occupancy monitoring system in vehicles, Sony Depthsensing Solutions has developed a full range of sensor-agnostic software and 2D and 3D sensors.

Our solutions support adaptive restraint systems to create a customized deployment strategy to protect every occupant individually.

The seamless monitoring of all occupants – in the front and second row – meets all global safety regulations and requirements, keeping you safe on every journey.

Discover how our technology is setting new standards in automotive safety with our key features including posture monitoring, classification, child seat detection, seatbelt usage/misuse alerts and feet-on-dashboard detection.



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Jan-Martin Juptner  
Senior Business Development Manager  
[jan-martin.juptner@sony.com](mailto:jan-martin.juptner@sony.com)

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09



## Superior Environmental Solutions

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### **Environmentally Conscious & Secure Solution**

SES offers an innovative, proprietary solution for airbag destruction, 100% recycling & disposal, ensuring environmental sustainability.

### **Federal Compliant Logistics**

SES holds all necessary permits for accepting recalled or surplus inflators & modules, ensuring secure storage, processing, and logistics management.

### **Robust Processing & Disposal Capacity**

With over 40 million pounds of airbag modules & inflators processed since 2015, SES has the expertise and capacity to address all your airbag needs effectively without geographical boundaries.

### **Proven Performance & Unparalleled Industry Expertise**

SES is globally recognized as the leader in sustainable airbag destruction management. Backed by decades of expertise in the automotive industry, our team delivers tailored solutions for automotive recalls, inventory liquidation, and routine servicing.



<https://sesinc.com/services/environmental-services/airbag-destruction-recycling/>

---

### **Superior Environmental Solutions SES**

Landon Hormann

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Cincinnati, OH 45246

Phone +1 (513) 346-0433  
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Syre

## Syre

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Syre is a Swedish textile impact company on a mission to decarbonize and dewaste the textile industry through textile-to-textile recycling at hyperscale, starting with polyester.

Within ten years, Syre aspires to have 12 gigascale plants up and running at full speed and capacity worldwide, producing more than 3 million metric tons (MT) of circular polyester annually.



### The Syre solution:

- **From linear to circular** | A circular recycling process, contrary to virgin polyester and bottle-to-fiber recycled polyester (rPET)
- **High quality** | Circular polyester with quality on par with virgin polyester and better than bottle-to-fiber (rPET)
- **Superior sustainability** | Screening LCA: CO<sub>2</sub>e emissions reduced by up to 85% compared to the production of virgin PET
- **Hyperscaling** | Financial model and playbook to scale through founders Vargas and H&M Group

[www.syre.com](http://www.syre.com)

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Christian Cavell  
[christian.cavell@syre.com](mailto:christian.cavell@syre.com)

## Toyoda Gosei

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Since its foundation in 1949, Toyoda Gosei has been involved in various automotive components. The knowledge of polymer materials and their processing developed over the years are applied to deliver safety system products to customers around the world.

We offer a range of airbags based on the concept of '360° full coverage' to protect occupants from collisions at various angles, as well as airbags to protect pedestrians. The steering wheel is also equipped with a sensor function that detects hands on and notifies the driver if the vehicle deviates from its lane. In future, we will develop steering wheels with new human-machine interface functions to link people and vehicles, anticipating the expansion of automated driving.

Toyoda Gosei will continue to contribute to the reduction of deaths and injuries in traffic accidents and provide safety and security for all people on the move.



**[www.toyoda-gosei.com](http://www.toyoda-gosei.com)**

**Toyoda Gosei Co., Ltd.**  
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Kiyosu, Aichi, 452-8564, Japan  
  
Phone +81 52 400 1055

**Toyoda Gosei Europe N.V.**  
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Leuvensesteenweg 542  
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**P02**

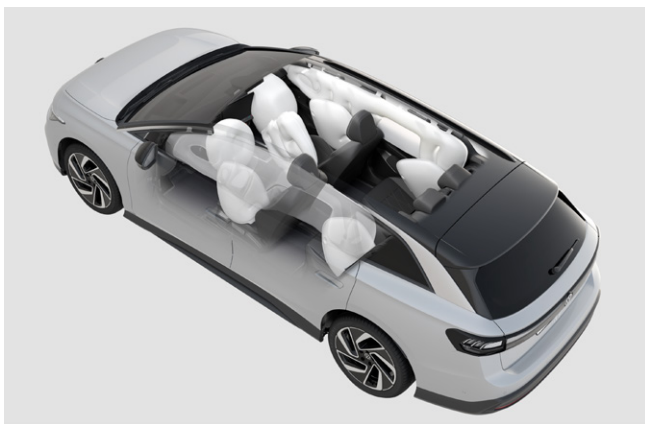


## Volkswagen AG

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Safety is a high priority for Volkswagen. What began with seat belts has now become a complex safety concept. VW is constantly working on the further development of safety technologies. There are many features in the current models that are intended to optimize the protection of occupants and all road users. These include passive safety systems such as a high-rigidity body structure and a comprehensive restraint system. The all-electric ID.7 is an outstanding example of the high safety standards. It received the highest rating of 5 stars in the Euro NCAP.

All awards underline VW's high safety standards. After all, "safety for all" has been in place for decades: Volkswagen is democratizing safety technologies – in all segments, for all occupants and within the scope of possibilities for almost all accident scenarios.



**[www.volkswagen.de](http://www.volkswagen.de)**

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## Yanfeng Automotive Safety Systems

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Yanfeng is a leading global automotive supplier, focusing on interior, exterior, seating, cockpit electronics and passive safety, and is exploring new business actively. Yanfeng has more than 240 sites and approximately 57,000 employees worldwide. The technical team of 4,100 experts is based in 12 R&D centers and other regional offices, with complete capabilities including engineering & software development, design, and test validation. Focusing on smart cabin and lightweight technology, Yanfeng supports automakers to explore future mobile spaces and provide leading cabin solutions.



[www.yanfeng.com](http://www.yanfeng.com)

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**Yanfeng International Automotive  
Technology Europe S.a.r.l. & Co. KG**

European & South African  
Headquarters & Technology Center  
Jagenbergstraße 1  
41468 Neuss, Germany

**Yanfeng Automotive Safety  
Systems Co., Ltd.**

Hessenring 13B, Building D2  
64546 Mörfelden-Walldorf, Germany

Booth

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**LIFETEC**

PIONEERING AUTOMOTIVE SAFETY

## ZF Lifetec

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ZF LIFETEC is a leading passive safety technology provider for enhanced protection of vehicle occupants. Employing around 36,000 employees dedicated to the mission of saving lives with a technology driven approach, the company develops and manufactures a comprehensive product portfolio including airbag, seat belt and steering wheel systems, covering a wide range from small vehicles in the volume segment up to sophisticated luxury vehicles.

Featuring a market share exceeding 20 percent in its core product categories, ZF LIFETEC has a worldwide presence at 48 locations across 20 countries. In the fiscal year 2023, the Group generated sales of EUR 4.6 billion. Based on its strong relationships with a diversified customer base of global OEMs, driven by outstanding quality, long-standing R&D collaborations besides a strong global innovation platform, ZF LIFETEC is well positioned for future growth opportunities arising from the automotive megatrends electrification, (semi-) automated driving, smart interior, as well as increasing safety demands and stepped-up safety regulations worldwide.

Learn more at **[zf-lifetec.com](https://zf-lifetec.com)**

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### ZF Lifetec

Knut Zimmer | Press Officer

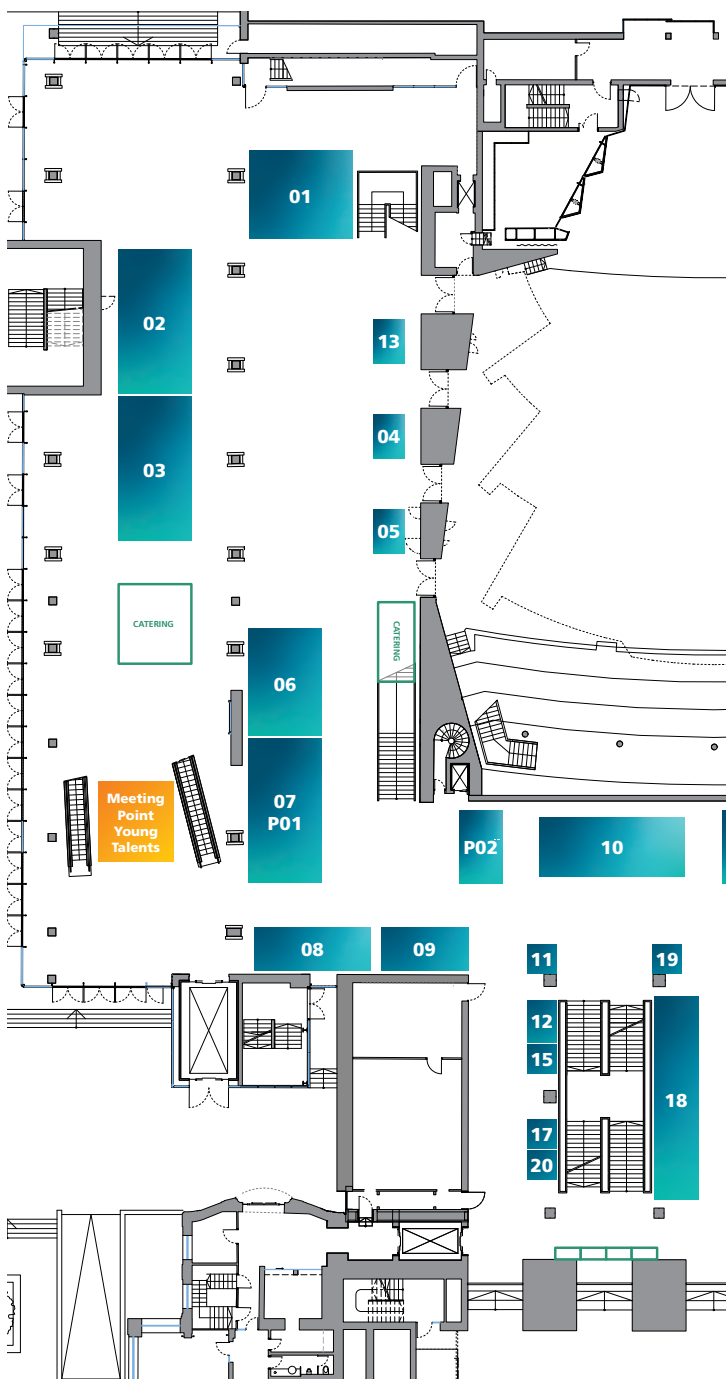
[knut.zimmer@zf-lifetec.com](mailto:knut.zimmer@zf-lifetec.com)

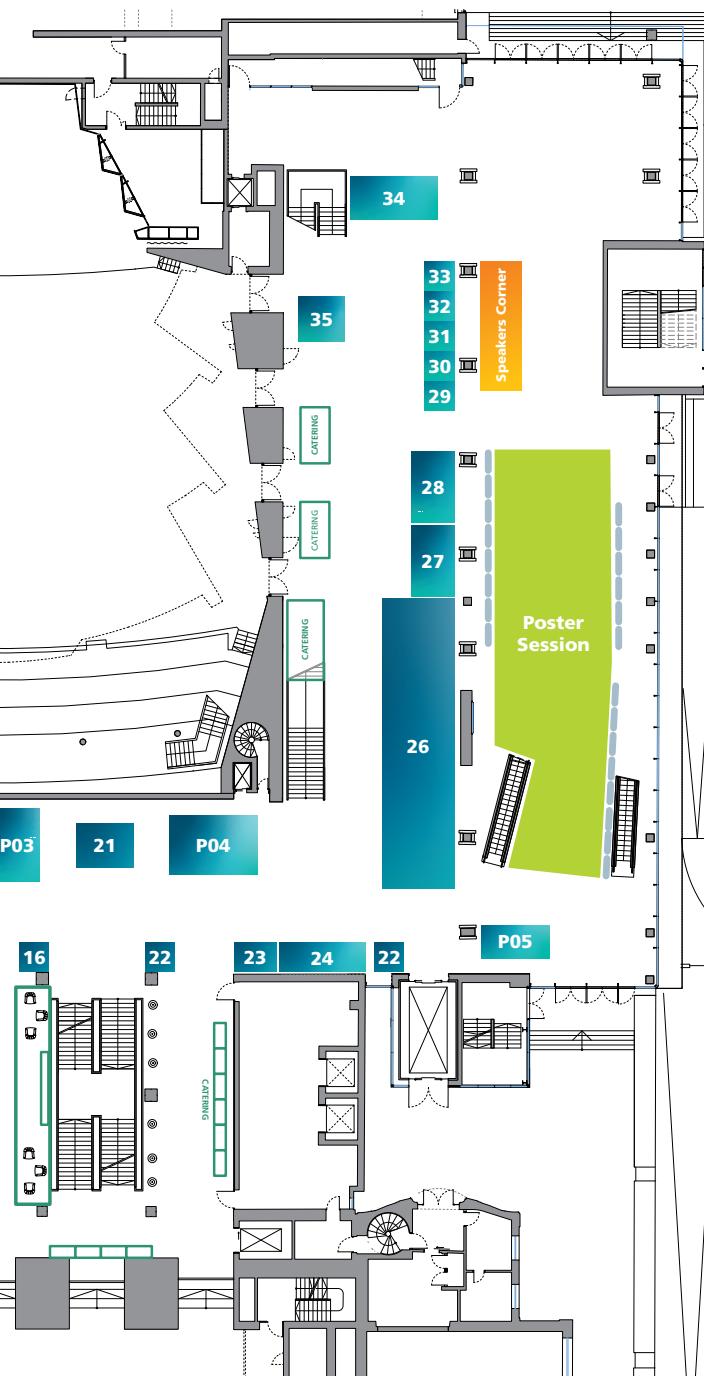
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*Save the date*

# Airbag 2026

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**December 8-10, 2026**  
**Mannheim, Germany**



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